MAT-8489US

Appln. No.: 10/718,306

Amendment Dated: July 18, 2006

Reply to Office Action of: April 21, 2006

Amendment to the Abstract:

The Abstract has been amended. A revised Abstract is attached.

A DC/DC converter presented herein is capable of operating in both step up and step down process of output voltage, lowering the output voltage at high speed at the time of output voltage drop, or raising the output voltage at high speed at the time of output voltage rise, and decreasing generation of power loss at the time of transient response. This DC/DC converter can extend the call time of handy phone. The DC/DC converter comprises a voltage converting circuit connected between the input terminal and output terminal, a fast transient response circuit, a step-up and step-down operation determining circuit, a voltage comparator, and a switch control circuit.

Attachment